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FILE 'WPIX, INPADOC, JAPIO, PATOSEP, PATOSWO' ENTERED AT 15:19:22 ON 12
MAY 2004
                    E US20040032261/PN
L1   2 S E3

EIC2800   Irina Speckhard   571 272 25 54

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L1    ANSWER 1 OF 2  WPIX COPYRIGHT 2004 THOMSON DERWENT on STN
AN    2004-145659 [15]    WPIX
DNN   N2004-116045
TI    Magnetic resonance data distortions correction method for medical
      application, involves processing distortion parameters using
      transformation parameters obtained by correlating object of interest e.g.
      patient's head.
DC    S01 S03 S05 T01
IN    BURKHARDT, S; SCHWEIKARD, A
PA    (STYC) STRYKER LEIBINGER GMBH & CO KG; (BURK-I) BURKHARDT S; (SCHW-I)
      SCHWEIKARD A
CYC   31
PI    EP 1385018      A1 20040128 (200415)* EN    22
          R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC
             MK NL PT RO SE SI SK TR
      US 2004032261    A1 20040219 (200415)            <--
ADT   EP 1385018 A1 EP 2002-16346 20020725; US 2004032261 A1 US 2003-606068
      20030625
PRAI  EP 2002-16346         20020725
AN    2004-145659 [15]    WPIX
DNN   N2004-116045
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      SCHWEIKARD A
CYC   31
PI    EP 1385018      A1 20040128 (200415)* EN    22    G01R033-565
          R: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC
             MK NL PT RO SE SI SK TR
      US 2004032261    A1 20040219 (200415)            G01V003-00     <--
ADT   EP 1385018 A1 EP 2002-16346 20020725; US 2004032261 A1 US 2003-606068
      20030625
PRAI  EP 2002-16346         20020725
IC    ICM G01R033-565; G01V003-00
AB    EP    1385018 A UPAB: 20040302
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NOVELTY - The distortion parameters are processed using the distortion
parameters and transformation parameters obtained by correlating the
object of interest such as patient's head and specific generic objects.
       DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:
       (1) computer program product comprising program code for performing
magnetic resonance data distortions correction; and
       (2) apparatus for correcting distortions in magnetic resonance data.
       USE - For correcting magnetic resonance (MR) data distortions in
medical applications such as tumor diagnosis, bone surgery using computer
tomography (CT) imaging system, radio therapy planning (RTP). Also for use
in material science.
       ADVANTAGE - The geometric accuracy is of high importance since an
accurate beam positioning is obtained which is essential for optimal tumor
coverage facilitates, and accelerates the correction of distorted MR data
of object of interest in a faster and easier manner. Bones and soft tissue
are easily separated by simple mechanisms.

         DESCRIPTION OF DRAWING(S) - The figure shows the block diagram
     explaining the correction of distorted MR data.
     Dwg.2/8
FS   EPI
FA   AB; GI
MC   EPI: S01-E02A2A; S01-E02A8C; S03-E07A; S05-D02B2; T01-J06A; T01-J10B1;
         T01-S03

L1   ANSWER 2 OF 2   INPADOC   COPYRIGHT 2004 EPO on STN

LEVEL 1
AN   229972743 INPADOC   ED 20040325   EW 200413   UP 20040402   UW 200414
TI   Correcting geometry and intensity distortions in MR data.
IN   SCHWEIKARD ACHIM; BURKHARDT STEFAN
INS   SCHWEIKARD ACHIM; BURKHARDT STEFAN
INA   DE; DE
PA   SCHWEIKARD ACHIM; BURKHARDT STEFAN
PAS   SCHWEIKARD ACHIM; BURKHARDT STEFAN
PAA   DE; DE
DT   Patent
PIT   USAA PATENT APPLICATION PUBLICATION (PRE-GRANT)
PI   **US 2004032261**   **AA 20040219**
AI   US 2003-606068   A 20030625
PRAI EP 2002-16346   A 20020725
OSDW 2004-145659

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AN   229972743 INPADOC   ED 20040325   EW 200413   UP 20040402   UW 200414
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INS   SCHWEIKARD ACHIM; BURKHARDT STEFAN
INA   DE; DE
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PAS   SCHWEIKARD ACHIM; BURKHARDT STEFAN
PAA   DE; DE
DT   Patent
PIT   USAA PATENT APPLICATION PUBLICATION (PRE-GRANT)
PI   **US 2004032261**   **AA 20040219**
AI   US 2003-606068   A 20030625
PRAI EP 2002-16346   A 20020725
OSDW 2004-145659
ICM   (7) G01V003-00
EPC   G01R33/565C
NCL   324309; X324318; X324307

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Alerts have been run. See HELP NEWS 347 for details.

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Set      Items    Description
S1     1698294    MRI OR MAGNETIC(1W)(IMAG? OR IMAGING) OR MAGNETIC(W)RESONA-
                  N? OR NMR  OR NUCLEAR()MAGNETIC()RESONANCE OR FTNMR OR FTMRI -
                  OR MAGNETORESONANCE OR PMR OR PROTON(W)MAGNETIC(W)RESONAN? OR
                  MR()(IMAGE? OR IMAGING)
S2       39161    MC=(S01-E02A2 OR S03-E07A OR S01-E02A8A OR S01-E02A1 OR S0-
                  3-E07C OR S05-D02B1 OR S03-C02F1) OR IC=(G01R-003 OR G01N-024-
                  /08 OR G01V-003/A75) OR CC=(A0758 OR A8760I OR B7510N)
S3     1711984    S1:S2
S4       23255    (CORRECT? OR ADJUST? OR PARAMETER? ?)(3N)DISTORT?
S5      107152    (WAVEFORM? OR WAVE()FORM? OR SIGNAL?)(3N)CHANG?
S6      130255    S4:S5
S7        3500    IC=(G01V-003/00 OR G01V-033/565C)
S8       11145    TRANSFORMAT?(3N)PARAMETER? ?
S9      961152    MAGNET?(3N)FIELD? ?
S10      47400    (MAGNET? OR SUSCEPTIBIL?)(3N)DISTRIBUT?
S11         74    (MAGNET? OR FIELD? ?)(3N)INHOMOGENIT?
S12     143658    MAGNET?(3N)(INHOMOGENIT? OR SUSCEPTIBIL?)
S13    1096602    S9:S12
S14     811933    COMPUTER?()TOMOGRAPH? OR CT OR FLUOROSCOP?
S15      10453    S3 AND S6
S16      55552    15 AND S13
S17        221    S16 AND S14
S18          0    S17 AND S7
S19          7    S17 AND S4
S20          2    RD (unique items)
S21        221    S17
S22          0    S21 AND S5
S23          0    S21 AND S8
S24        192    S21 AND S9
S25          4    S24 AND S10
S26          2    RD (unique items)
S27        188    S24 NOT S25
S28          0    S27 AND S11
S29          1    S27 AND S12
S30        187    S27 NOT S29
S31        187    S30 AND S14
S32         17    S14 AND S7
S33         17    RD (unique items)
S34         17    S33 NOT S19,S25,S29
S35          4    S34 AND S13
S36         13    S34 NOT S35
S37          1    S36 AND S6
S38         12    S36 NOT S37
S39         98    S6 AND S8
S40          3    S39 AND S13
S41          3    RD (unique items)
S42         95    S39 NOT S40
S43          9    S42 AND S3
S44          4    RD (unique items)
S45          3    S44 NOT S19,S25,S29,S33,S40
S46        281    S3 AND S8
S47          4    S46 AND S9
S48          4    RD (unique items)
S49        277    S46 NOT S47
S50          1    S49 AND S10
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S51      276    S49 NOT S50
S52        0    S51 AND S11
S53        3    S51 AND S12
S54        3    RD (unique items)
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